

**TOWNSEND
and
TOWNSEND
and
CREW**
LLP

San Francisco, California
Tel 415 576-0200

Palo Alto, California
Tel 650 326-2400

Walnut Creek, California
Tel 925 472-5000

San Diego, California
Tel 858 350-6100

Seattle, Washington
Tel 206 467-9600

Danver

1200 Seventeenth Street
Suite 2700
Denver
Colorado 80202-5835
Tel 303 571-4000
Fax 303 571-4321

FACSIMILE COVER SHEET

Date: April 11, 2005	Client & Matter Number: A8313/T51200	No. Pages (including this one): 17
To: Kay Pinkney U.S. Patent & Trademark Office	At Fax Number: (703) 308-6642	Confirmation Phone Number:

From: Patrick M. Boucher

U.S. Appl. No. 10/655,230

Filed: September 3, 2003

IN-SITU-ETCH-ASSISTED HDP DEPOSITION USING SIF4, AND HYDROGEN

Our Ref. No. A8313/T51200

Message: As requested, attached is the Application Data Sheet listing all inventors and their home addresses. A copy of the signed Declaration is also attached.

Original Will:	BE SENT BY MAIL	BE SENT BY FEDEX/OVERNIGHT COURIER	BE SENT BY MESSENGER	X	NOT BE SENT
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Application Data Sheet

Application Information

Application number:: 10/655,230
Application Type:: Regular
Subject Matter:: Utility
Title:: IN-SITU-ETCH-ASSISTED HDP DEPOSITION
USING SIF4, AND HYDROGEN
Attorney Docket Number:: A8313/T51200
Request for Early Publication:: No
Request for Non-Publication:: No
Total Drawing Sheets:: 9
Small Entity?: No
Petition included?: No
Secrecy Order in Parent Appl.: No

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: US
Status:: Full Capacity
Given Name:: M. Ziaul
Family Name:: Karim
City of Residence:: San Jose
State or Province of Residence:: CA
Country of Residence:: US
Street of Mailing Address:: 2820 McAnn Court
City of Mailing Address:: San Jose
State or Province of mailing address:: CA
Country of mailing address:: US
Postal or Zip Code of mailing address:: 95121

Applicant Authority Type:: Inventor
 Primary Citizenship Country:: US
 Status:: Full Capacity
 Given Name:: DongQing
 Family Name:: Li
 City of Residence:: Santa Clara
 State or Province of Residence:: CA
 Country of Residence:: US
 Street of Mailing Address:: 1690 Civic Center Drive, #504
 City of Mailing Address:: Santa Clara
 State or Province of mailing address:: CA
 Country of mailing address:: US
 Postal or Zip Code of mailing address:: 95050

Applicant Authority Type:: Inventor
 Primary Citizenship Country:: Korea, South
 Status:: Full Capacity
 Given Name:: Jeong Soo
 Family Name:: Byun
 City of Residence:: Cupertino
 State or Province of Residence:: CA
 Country of Residence:: US
 Street of Mailing Address:: 20975 Valley Green Drive, #257
 City of Mailing Address:: Cupertino
 State or Province of mailing address:: CA
 Country of mailing address:: US
 Postal or Zip Code of mailing address:: 95014

Applicant Authority Type:: Inventor
 Primary Citizenship Country:: US

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Status::	Full Capacity
Given Name::	Thanh
Middle Name::	N.
Family Name::	Pham
City of Residence::	San Jose
State or Province of Residence::	CA
Country of Residence::	US
Street of Mailing Address::	1350 Thistlewood Court
City of Mailing Address::	San Jose
State or Province of mailing address::	CA
Country of mailing address::	US
Postal or Zip Code of mailing address::	95121

Correspondence Information

Name Line One::	Patent Counsel, M/S 2061
Name Line Two::	APPLIED MATERIALS, INC.
Address Line One::	Legal Affairs Department
Address Line Two::	P.O. Box 450A
City::	Santa Clara
State or Province::	CA
Postal or Zip Code::	95052
Telephone::	303-571-4000
Fax::	415-576-0300

Representative Information

Representative Designation::	Representative Number::	Representative Name::
Primary	37,234	William L. Shaffer
Primary	25,610	Peter J. Sgarbossa
Primary	37,771	Joseph Bach
Primary	43,855	Loretta A. Peters

505/12

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Primary	37,165	Raymond Kam-On Kwong
Primary	35,412	James C. Wilson
Primary	25,436	Robert W. Mulcahy
Primary	27,431	Robert C. Colwell
Primary	41,405	Chun-Pok Leung
Primary	40,456	Patrick R. Jewik
Primary	39,496	Kent J. Tobin
Primary	44,037	Patrick M. Boucher

Assignee Information

Assignee Name:: Applied Materials, Inc.
Street of mailing address:: 3050 Bowers Avenue
City of mailing address:: Santa Clara
State or Province of mailing address:: California
Country of mailing address:: United States
Postal or Zip Code of mailing address:: 95054

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

IN-SITU-ETCH-ASSISTED HDP DEPOSITION USING SiF₄ AND HYDROGEN

SPECIFICATION IDENTIFICATION

The specification of which:

- ☒ is attached hereto
- ☐ was filed on _____, under Application No. _____, executed on even date herewith; or
 - ☐ Express Mail No. _____ (as Application No. not yet known)
 - and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____ filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

10/655230

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:

Application No:

Filing date:

PRIORITY CLAIM (35 U.S.C. §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

☒ No such applications have been filed

☐ Such applications have been filed, as follows:

<u>Application No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>

POWER OF ATTORNEY

10/655230

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Loretta A. Peters	Registration No. 43,855
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Robert C. Colwell	Registration No. 27,431
William L. Shaffer	Registration No. 37,234
Chun-Pok Leung	Registration No. 41,405
Patrick R. Jewik	Registration No. 40,456
Kent J. Tobin	Registration No. 39,496
Patrick M. Boucher	Registration No. 44,037


Send correspondence to: Direct telephone calls to:

Patent Counsel, MS/2061	Patrick M. Boucher
Legal Affairs Dept.	(303) 571-4000
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: M. ZIAUL KARIM

Inventor's signature: 

Date: 8/13/03

Country of Citizenship: United States

Full name of second inventor: DONGQING LI

Inventor's signature: _____

Date: _____

Country of Citizenship: United States

Full name of third inventor: JEONG SOO BYUN

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POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Loretta A. Peters	Registration No. 43,855
Raymond Kam-On Kwong	Registration No. 37,165
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Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

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Full name of sole or first inventor: M. ZIAUL KARIM

Inventor's signature: _____ Date: _____

Country of Citizenship: United States

Full name of second inventor: DONGQING LI

Inventor's signature:  Date: 8/6/03

Country of Citizenship: United States

Full name of third inventor: JEONG SOO BYUN

Inventor's signature: _____ Date: _____

10 of 12

10/655230

Country of Citizenship: Korea, South

Full name of fourth inventor: THANH N. PHAM

Inventor's signature:

Thanh N. Pham

Date:

4/2/63

Country of Citizenship: United States

(Declaration ends with this page)

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POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Peter J. Sgarbossa	Registration No. 25,610
Joseph Bach	Registration No. 37,771
Loretta A. Peters	Registration No. 43,855
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
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Kent J. Tobin	Registration No. 39,496
Patrick M. Boucher	Registration No. 44,037

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Legal Affairs Dept.	(303) 571-4000
Applied Materials, Inc.	
P.O. Box 450A	
Santa Clara, CA 95052	

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Full name of sole or first inventor: M. ZIAUL KARIM

Inventor's signature: _____ Date: _____

Country of Citizenship: United States

Full name of second inventor: DONGQING LI

Inventor's signature: _____ Date: _____

Country of Citizenship: United States

Full name of third inventor: JEONG SOO BYUN

Inventor's signature: J.S. BYUN Date: 8/6/2003

12 of 12